





- a. $\sqrt{v} = a(Z-b)$
c. $v = a\sqrt{Z-b}$
- b. $v = a(Z-b)$
d. $v = b(Z-b)$
- Q.12 Magnetic quantum number is related to**
a. Size of orbit
c. Orientation of orbital
b. Shape of orbital
d. Spin of electron
- Q.13 For which of the following Bohr's theory is not applicable**
a. H
c. H^-
b. Li^{+2}
d. He^{+1}
- Q.14 Which atomic orbital has highest energy**
a. 4d
c. 5s
b. 4f
d. 5p
- Q.15 The value of four quantum numbers of valence electron of an element are $n = 3, \ell = 0, m = 0$ and $s = +1/2$. The element is**
a. Li
c. Na
b. K
d. Sc
- Q.16 The atomic number of an element is 35. How many s, p and d-electrons respectively it possesses in ground state?**
a. 8, 19, 8
c. 10, 15, 10
b. 8, 17, 10
d. 6, 18, 11
- Q.17 The principal quantum number of an atom is related to**
a. Orientation of orbital in space
c. Size of the orbital
b. Spin of electron around its own axis
d. Shape of orbital
- Q.18 The third electron of Li atom will have quantum number values**
- | | n | ℓ | m | s |
|----|---|--------|---|------|
| a. | 1 | 0 | 0 | +1/2 |
| b. | 2 | 0 | 0 | -1/2 |
| c. | 2 | 1 | 0 | +1/2 |
| d. | 1 | 1 | 1 | +1/2 |
- Q.19 The ground state electronic configuration of nitrogen atom can be represented as**
a. $1s^2, 2s^2, 2p_x^2, 2p_y^1, 2p_z^0$
c. $1s^2, 2s^2, 2p_x^1, 2p_y^2, 2p_z^0$
b. $1s^2, 2s^2, 2p_x^1, 2p_y^1, 2p_z^1$
d. $1s^2, 2s^1, 2p_x^2, 2p_y^1, 2p_z^1$
- Q.20 The set of elements which violates Auf bau principle is**
a. Cr and Co
c. Cr and Cu
b. Cu and Co
d. Cr and Mn
- Q.21 The shape of 1s, 2s and 3s is**
a. Different
c. Similar
b. Linear
d. Flate
- Q.22 The value of $n = 3$. What are probable values of azimuthal quantum number ' ℓ '**
a. 0, 1, 2, 3
c. 0, 1
b. 0, 1, 2
d. 1, 2, 3, 4
- Q.23 Which one is the correct order of frequency of radiations?**
a. γ -ray > UV rays > red rays > microwave rays
b. UV-rays > γ -rays > red rays > microwave rays
c. Microwave rays > red rays > UV rays > γ -ray
d. Microwave rays > UV rays > red rays > γ -ray

- PAGE 3 OF 6**



- b. Their e/m ratio is greater than that of an electron
- c. They can be deflected by electric field
- d. They produce flashes on ZnS plate







SAEED MDCAT

SAEED MDCAT TEAM

 SAEEDMDCAT



- Q.37** Total fundamental sub atomic particles are present in hydride ion (H^-):
a. 1
b. 2
c. 3
d. 4
- Q.38** The electronic configuration for elements in subshells is designated by using
a. Joule Thomson effect
b. Aufbau principle
c. Heisenberg principle
d. Bohr's rule
- Q.39** Deduce the number of protons, neutrons, electrons and nucleons from the given specie $^{39}_{19}\text{K}$
- | | Protons | Neutrons | Electrons | Nucleons |
|----|---------|----------|-----------|----------|
| a. | 19 | 20 | 20 | 39 |
| b. | 19 | 20 | 19 | 39 |
| c. | 20 | 19 | 20 | 39 |
| d. | 19 | 19 | 19 | 39 |
- Q.40** Which of the following is the shape of one of the d-orbital
- a. 
- b. 
- c. 
- d. 
- Q.41** The positive charge in nucleus of an atom is due to a fundamental particle called:
a. Neutrons
b. Protons
c. Electrons
d. Neutrino
- Q.42** The shapes of orbitals can be determined by:
a. Spin quantum number
b. Azimuthal quantum number
c. Principle quantum number
d. Magnetic quantum number
- Q.43** The number of degenerate orbitals in p-subshell is
a. 2
b. 5
c. 3
d. 7
- Q.44** The isoelectronic pair like argon is
a. Cl^- , K^+
b. F^- , Na^+
c. Cl^- , Na^+
d. He, Ne
- Q.45** The total number of orbitals containing electrons, if atomic number of the element is 19
a. 9
b. 6
c. 10
d. 16
- Q.46** The atomic number of an atom is the number of
a. Protons plus the number of electrons
b. Protons
c. Neutrons
d. Protons plus the number of neutrons
- Q.47** A(An) _____ is a region of space in which there is a high probability of finding an electron in an atom
a. Shell
b. Nucleus
c. Atomic orbital
d. Main energy level
- Q.48** Cathode rays and canal rays when pass through electric field they will _____
a. Deflect towards negatively charged plate only
b. Deflect towards positively charged plate only
c. Deflect towards positively and negatively charged plates respectively
d. Not deflect towards negatively charged plate and positively charge plate
- Q.49** Atoms of two different elements having same nucleon number but different proton number are called
a. Isotopes
b. Isotones
c. Isobars
d. Isoelectronic
- Q.50** A di-valent cation having 10 electrons and 24 nucleon number. The number of neutrons are
a. 11
b. 12
c. 10
d. 24



**FOR MORE NMDCAT TEST AND
LECTURE**

Visit Our Website: www.saeedmdcat.com

MDCAT WhatsApp Groups: 03418729745

SAEED MDCAT

SAEED MDCAT TEAM

 **SAEEDMDCAT**

Chem T-2

Scanned with CamScanner

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D
1	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	16	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	31	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	46	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	17	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	32	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	47	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
3	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	18	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	33	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	48	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
4	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	19	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	34	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	49	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
5	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	20	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	35	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	50	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	21	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	36	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	51	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	22	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	37	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	52	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	23	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	38	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	53	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	24	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	39	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	54	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	25	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	40	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	55	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	26	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	41	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	56	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	27	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	42	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	57	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	28	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	43	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	58	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	29	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	44	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	59	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	30	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	45	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	60	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Scanned with CamScanner

SAEED MDCAT

If you want to get all the test and Lec of all Academy then follow us on different platforms

WEBSITE.www.saeedmdcat.com

FB Group And Page.SAEED MDCAT

INSTAGRAM.SAEED MDCAT

Twitter.Smdcat

For WhatsApp Group.03418729745

Regards.Huzaiifa Saeed,Usama Sohail

Saeed MDCAT

TRUE HERO ALWAYS WINS

National MDCAT 2020 Results

190+ 35 Students

185+ 218 Students

180+ 677 Students

JOIN US FOR FREE
TO SECURE YOUR FUTURE



SAEED MDCAT
SAEED MDCAT TEAM
f SAEEDMDCAT